Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
Data File : BM000068.D
Acq On : 29 Dec 2014 20:55
Operator : TP
Sample : MDL-02-S
Misc : MDL--SOIL-4PPM
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-Soil-2

Quant Time: Dec 31 03:04:09 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	248360	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1089103	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	784103	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1584548	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1506453	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	1172331	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.33	96	37849	8.84	ng/uL	0.00
5) Phenol-d5	7.00	99	619125	28.78	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	399808	30.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	444274	29.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	487215	28.67	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	228193	30.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	249916	32.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	476880	27.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	664465	34.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1745777	30.19	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	2032240	29.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	253488	27.13	ng/ul	0.00
57) Fluorene-d10	15.48	176	1440506	29.01	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.58	200	161108	20.50	ng/ul	0.00
70) Anthracene-d10	17.32	188	2199441	30.02	ng/ul	0.00
76) Pyrene-d10	19.61	212	2321577	33.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1676963	31.70	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.36	88	14130	2.38	ng/uL#	92
4) Benzaldehyde	6.98	77	38468	2.87	ng/ul	98
6) Phenol	7.03	94	50427	2.25	ng/ul	98
8) Bis(2-Chloroethyl)ether	7.27	93	41658	2.43	ng/ul	97
10) 2-Chlorophenol	7.41	128	37271	2.32	ng/ul	96
11) 2-Methylphenol	8.28	108	38160	2.21	ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	8.38	45	71055	2.58	ng/ul	96
14) Acetophenone	8.66	105	68483	2.36	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.65	70	34594	2.28	ng/ul	95
16) 4-Methylphenol	8.61	108	40760	2.18	ng/ul	93
17) Hexachloroethane	8.93	117	16464	2.25	ng/ul	95
20) Nitrobenzene	9.04	77	57079	2.54	ng/ul	94
21) Isophorone	9.57	82	94911	2.19	ng/ul	98
23) 2-Nitrophenol	9.75	139	20809	2.45	ng/ul#	85
24) 2,4-Dimethylphenol	9.81	107	55369	2.40	ng/ul	96
25) Bis(2-Chloroethoxy)methane	10.05	93	55702	2.31	ng/ul#	94
27) 2,4-Dichlorophenol	10.28	162	40727	2.40	ng/ul#	83
28) Naphthalene	10.69	128	127836	2.30	ng/ul	98
30) 4-Chloroaniline	10.79	127	48351	2.43	ng/ul	94
31) Hexachlorobutadiene	10.97	225	29194	2.43	ng/ul	98
32) Caprolactam	11.58	113	10029	1.78	ng/ul	92
33) 4-Chloro-3-methylphenol	11.91	107	44831	2.16	ng/ul	97
34) 2-Methylnaphthalene	12.30	142	97583	2.37	ng/ul	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.67	216	50060	2.30	ng/ul#	96
37) Hexachlorocyclopentadiene	12.65	237	26662	1.86	ng/ul	94
38) 2,4,6-Trichlorophenol	12.91	196	28896	2.08	ng/ul	94
39) 2,4,5-Trichlorophenol	12.97	196	33037	2.19	ng/ul	94
40) 1,1'-Biphenyl	13.32	154	131482	2.33	ng/ul	99
41) 2-Chloronaphthalene	13.35	162	104542	2.41	ng/ul	97
42) 2-Nitroaniline	13.56	65	27741	1.98	ng/ul	92
44) Dimethylphthalate	13.93	163	138333	2.40	ng/ul	98
45) 2,6-Dinitrotoluene	14.05	165	21405	2.08	ng/ul#	84
47) Acenaphthylene	14.20	152	169296	2.32	ng/ul	99
48) 3-Nitroaniline	14.38	138	22206	2.10	ng/ul#	92
49) Acenaphthene	14.54	153	106511	2.29	ng/ul	97
50) 2,4-Dinitrophenol	14.59	184	5183	0.99	ng/ul	95
52) 4-Nitrophenol	14.68	109	26721	2.15	ng/ul	90
53) Dibenzofuran	14.87	168	156445	2.32	ng/ul	97
54) 2,4-Dinitrotoluene	14.84	165	32378	2.11	ng/ul	88
55) 2,3,4,6-Tetrachlorophenol	15.10	232	27056	2.08	ng/ul#	98
56) Diethylphthalate	15.29	149	140614	2.32	ng/ul	97
58) Fluorene	15.52	166	133646	2.39	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.52	204	67240	2.44	ng/ul	94
60) 4-Nitroaniline	15.53	138	25459	2.14	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.59	198	14730	1.83	ng/ul#	41
64) N-Nitrosodiphenylamine	15.73	169	110265	2.40	ng/ul	99
65) 4-Bromophenyl-phenylether	16.41	248	39277	2.43	ng/ul#	87
66) Hexachlorobenzene	16.53	284	45218	2.43	ng/ul	95
67) Atrazine	16.68	200	39112	2.16	ng/ul	95
68) Pentachlorophenol	16.87	266	18582	1.64	ng/ul	92
69) Phenanthrene	17.26	178	211327	2.46	ng/ul	99
71) Anthracene	17.35	178	206818	2.35	ng/ul	99
72) Carbazole	17.61	167	189344	2.38	ng/ul	99
73) Di-n-butylphthalate	18.19	149	211527	2.23	ng/ul	98
74) Fluoranthene	19.27	202	243959	2.48	ng/ul#	94
77) Pyrene	19.64	202	250327	2.76	ng/ul#	95
78) Butylbenzylphthalate	20.54	149	81057	2.20	ng/ul	89
79) 3,3'-Dichlorobenzidine	21.33	252	52593	1.91	ng/ul#	97
80) Benzo(a)anthracene	21.39	228	218981	2.52	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.32	149	112399	2.09	ng/ul#	99
82) Chrysene	21.44	228	195131	2.43	ng/ul	100
84) Di-n-octyl phthalate	22.22	149	160657	1.99	ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	183585	2.45	ng/ul	97
86) Benzo(k)fluoranthene	23.05	252	155440	2.43	ng/ul	99
88) Benzo(a)pyrene	23.60	252	158866	2.42	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.04	276	154224	2.25	ng/ul	96
90) Dibenzo(a,h)anthracene	26.05	278	131738	2.28	ng/ul	98
91) Benzo(g,h,i)perylene	26.76	276	124736	2.21	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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